

SESSION III AM

Abnormal Psychology

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Is a psychopath born or made? Are all psychopaths inevitably serial killers? What is it like to live with schizophrenia? How do we determine when abnormal behavior is a disorder needing treatment? Psychology is the study of mental processes and behavior. Explore the biological and social causes of abnormal behavior through case studies of real people; and how different disorders are treated. Discuss the sad history of mental illness in our society and how those norms are changing today.

Instructor: Shawna Matteson, AP Psychology Teacher, Columbia Public Schools

Chemistry of Food

Session III AM

If you love science and chemistry, and you love to eat, THIS is the class for you! Explore the principle that creates both hard candy and ice cream, figure out why the fizz of baking soda and vinegar is a great way to make cake, and learn how tiny living creatures make great donuts. YES, we get to eat what we make, and YES, you will learn lots of great chemistry. Food chemistry is the study of chemical composition of food; their physical, biological, biochemical properties, and the interactions of foods with each other. Basic food chemistry deals with 3 primary components of food: carbohydrates, lipids, and proteins and how each works in a food system. Find out why Chemistry of Food is the TASTIEST class at CK!

Lab Fee: \$10.00

Instructor: Michelle Holtmeyer, AP Chemistry Teacher, Blair Oaks Public Schools

Clay in the Works

Session III AM

From primitive times to the present, clay has been used to create both utilitarian items such as bowls and jars as well as 3-dimensional art. Discover how natural clay is found and processed. Work the clay into a pliable substance to create your own pinch pots and sculpted pieces. Build a fire to bake your work "Raku" style. Work with other types of already processed clay to create tiles, pots and artistic pieces. This class is for the primitive potter.

Lab Fee: \$8.00. Pack an old shirt for clay work.

Instructor: Lynn Melton, Professional Residential Artist, Oklahoma Arts Council

Dungeons & Dragons and You!

Session III AM

Come brave heroes! Explore the fantasy realms of Dungeon and Dragons (D&D)! The grandfather of Role-Playing Games, D&D originated in 1971 and has grown into a cultural phenomenon, bringing players to tables around the world.

D&D is a collaborative role-playing game that utilizes critical thinking, improvisation, teamwork, problem solving skills and through your shared adventure, a deep ball camaraderie.

Develop a character and gain prestige, power and gold as you gain experience by completing quests, solving riddles and defeating monsters. Will you choose to play a mysterious Wizard, a brawny Barbarian or a Ranger of the woodland?

'Dungeons & Dragons and You!' is designed for beginners, experienced players and those curious about the game and culture.

Learn about the history and evolution of D&D, character creation, world building, develop a backstory, paint figures, build scale terrain pieces, create props and of course play!

Game play in small groups with miniatures, terrain and props using the most current 5th Edition rules. Adventure awaits!

Will you raise to the station of heroes of the realm? Will the fates be on your side? Will your dice, wits and friends carry you through? Find the answers and become legend in the world of Dungeons & Dragons!

Lab fee: \$5.00

Instructors: Jamie and Ron Danuser, Missouri School for the Deaf

Film Festival

Session III AM

Explore the visual medium of short film making. Then, become a writer/director as you create, write and produce your own short film. Create memorable characters to tell your story. Study lighting, camera angle, writing, and film technique as you develop the movie. Show your work to your friends as we kick off the first ever CK film festival.

Instructor: Peter LaMear, Stephens College

Melodrama

Session III AM

A melodrama is a performance that is highly dramatic, often with exaggerated characters and heightened emotions and by the predominance of plot and physical action over characterization. The narrator reads. Actors overact. The sign-bearer follows his cues. The audience laughs. The hero gets the heroine and the villain gets vanquished. Step into the shoes of outrageous characters and embrace the ridiculous nature of melodramas on stage. Discover your part and make it outlandish. You'll laugh, you'll cry (probably from laughing so hard), you'll perform a Melodrama then ... get off-stage and laugh some more.

Instructor: Elisa Beth Bratten, Fulton Public Schools

Mock Trial Session III AM

Whether you are structuring a multi-million-dollar deal, analyzing complex case law, or developing trial strategy an attorney must be a logical and critical thinker. Research evidence from different trials; choose a side, write testimony, and as a class present a mock trial. Become expert witnesses, attorneys, or the accused. Practice oral and written persuasion, argue motions, and learn the elements of law as they relate to the case. Teams act as the jury for the other group's trial. An attorney will answer questions and helps guide students in preparing the case. If you are intrigued by the Judiciary System or simply love debating, join us as we dive into a Mock Trial.

Instructor: Ben Schirmer, AP History Teacher, Columbia Public Schools.

Robotics Invention Lab Session III AM

Are you into robots, wacky inventions, or just having fun with machines? Then Robotics Invention Lab is the place for you. Use a variety of robotics tools, such as Lego Mindstorms, Micro:Bits and other fun technology tools to design and develop our own robotic creations. Complete all steps of the robotics creation process -- eventually designing, programming and running our very own robotic creations. Tackle a variety of real-world challenges to push our design and critical thinking skills as well. Create something fun and develop new tech skills, join the Robotics Invention Lab.

Lab Fee: \$10.00

Instructor: Josh Howard, Media Specialist, Fulton Public Schools

Sci-Fi and Weird Fiction Session III AM

Explore the very best of sci-fi and weird fiction by reading, writing, debating, and ... podding! That's right, we want the very best stories we can find in books, podcasts, and short film to enrich your creative mind. Then create your own short fiction and convert it into audio presentations, suitable for podcast. Discuss the bizarre concepts and clever skills exhibited in truly great short fiction. Write and record your own 100-word tales of otherworldly wonder and weirdness for a CK Podcast.

Instructor: Tucker Snyder, AP English Teacher, Jefferson City Public Schools

Team Challenge Session III AM

Get your team to the finish line before time runs out! Make it through the Spider's Web. Experience the Trust Sequence. Challenge yourself both mentally and physically as you and your team complete obstacles that require you to work together to be successful. Develop the skills to be a strategic problem solver. Learn about teamwork and work together as you communicate effectively. Develop strong leadership skills, self-confidence, and positive risk taking. Interact with CK friends while having a blast in the Team Challenge.

Lab Fee: \$5.00

Instructor: Jon Myers, AP English, Columbia Public Schools

Utopia Session III am

Fulfillment. A life well lived. Isn't this what everyone wants? Philosophers from Plato to Montaigne thought so. Most would agree, however, that we can't build Utopia on our own. Poor social systems make it difficult, if not impossible, to live our best lives. How, then, have great thinkers throughout history imagined a perfect society? How could their visions inform our own? It's time to think big, to dream the impossible dreams. Why not? The forty-hour work week, free public education, universal healthcare – these were once Utopian visions. Together with your classmates, draw from the wells of literature, history, philosophy, and science to create a cohesive vision of our utopian future in the realms of work, education, ecology, transportation, housing, recreation, and more.

Instructor: Jonathan McFarland, AP History, Columbia Public Schools

Watt is Electricity? Session III AM

Move your understanding of electricity to the next level! Take appliances apart to see how they are wired. Build parallel and series circuits. Learn to calculate the voltage, current, and resistance of the circuit. Explore the relationship between electricity and magnetic fields. Construct your own electromagnet and an electric generator. Learn how the use of resistors, capacitors, generators and transformers keep our world working as we know it! Apply information you have learned to discuss and debate how electricity fits into an energy efficient world. Ohm Yeah, this class may be a little shocking as you ask Watt is Electricity?

Lab Fee: \$10.00

Instructor: Jill Roberts, Science Teacher, Blair Oaks High School